

be exploited to derive suitable precursor materials. A preferred precursor material contains leaving groups which are eliminated during the conversion.

The fluid layer may contain further substances. For example, substances which modify its rheological properties such as viscosity, (visco)elasticity, contact angle and/or wettability. Wetting agents, leveling agents, surfactants, thickening agents, diluents and the like may be added. Alternatively, the surface properties of the relief pattern can be modified by performing an anti-wetting treatment. In the case of a water-based fluid this can be done by subjecting the relief pattern to CF_4 or CHF_3 plasma treatment.

The type of non-selective coating method is not critical and can be, for example, dip-coating, spray coating, curtain coating, doctor blade, web coating, spin-coating, and Langmuir-Blodgett. Nonetheless, quite unexpectedly, the patterned charge transport layer could be deposited in a uniform manner over a large surface using spin-coating. After all, in general, spin-coating is a method suitable for coating a planar substrate or for providing a planarized layer on a relief patterned substrate. In contrast, as those skilled in the art will agree, one does not expect that is possible to reliably spin-coat a layer on a relief patterned substrate if the thickness of the layer to be provided is much less the height of the relief pattern. In the context of the present invention, the thickness of the charge transport layer is typically 100 nm whereas the height of the relief pattern is typically 3 to 5 μm .

These and other aspects of the invention will be apparent from and elucidated with reference to the embodiments described hereinafter.

In the drawings:

Fig. 1 schematically shows, in a partially worked-open perspective plan view, a part of an organic EL passive matrix display device not in accordance with the invention,

Fig. 2 schematically shows, in a perspective plan view, a part of an organic EL matrix display device in accordance with the invention,

Fig. 3 schematically shows, in a perspective plan view, a part of a further organic EL matrix display device in accordance with the invention,

Fig. 4 schematically shows a mobile phone provided with an EL device in accordance with the invention, and

Fig. 5 shows a transverse profile of a relief pattern for use in an EL device in accordance with the invention.